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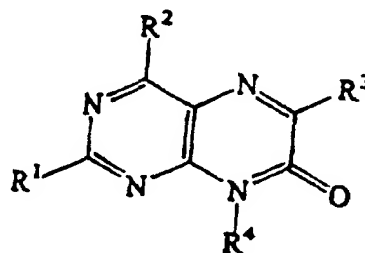
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(54) Title: PTERIDINE NUCLEOTIDE ANALOGS

(57) Abstract

The invention provides pteridine nucleotides of formula (I) which are highly fluorescent and which can be used in the chemical synthesis of fluorescent oligonucleotide. The invention further provides for fluorescent oligonucleotide comprising one or more pteridine nucleotides. In addition the invention provides for pteridine nucleotide triphosphates which may be used as the constituent monomers in DNA amplification procedures. The pteridine nucleotides are more stable and possess higher quantum yields than structurally similar pteridine nucleotides.



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